Release Details

Product/Service Name	DRYICE MyXalytics
Version Number	6.3
Release Month	February 2024

Overview

MyXalytics is a Unified Reporting & Dashboarding solution which helps organization by providing an unparalleled visibility into performance of IT systems and processes. It helps in providing people and organizations with the clarity they need in order to drive continuous operational improvements.

DRYICE MyXalytics provided intuitive visualizations of data from multiple sources on a unified & role based/custom dashboard. Enabled robust reporting of ITSM metrics, governance and control; offered root cause analysis for all incidents, Automated risk management approval workflow and real-time tracking of risks and remediation plans , Infused AI-driven predictive analytics to proactively flag potential breaches and crisis Automated business reporting, brought down the manual efforts to zero, reduced SLA violations & improved IT environment predictability

Release 6.3 focuses on various new features, integration adapters and runbook repository enhancements.

I. New Features and Enhancements

1. New Features

1. **Budget Forecasting -** Select and schedule multiple reports, define conditions for email sending, and automate the email sending process based on conditions. It provides users with a flexible and efficient way to manage report distribution and ensure that emails are sent only when necessary.

2. **Budget Forecasted Alerts** - Interduce new feature Budget Forecast in Alert Rule. Implementing the Budget Forecasted feature to send alerts to users can help them stay informed about their financial status and make better decisions.

3. **Enabled AWS Volume Right Sizing Recommendation to reduce IOPS**. It gives recommendation to reduce the IOPS of a disk (volume) based on the defined threshold (% of IOPS size reduce).

4. **Azure AKS Kubernetes Services Integration & Recommendations - Finops**
    a. AKS Kubernetes Cluster Inventory
    b. AKS Kubernetes Node Inventory
    c. AKS Kubernetes Pods Inventory
    d. Azure Kubernetes Cluster IDLE (Waste Elimination) Recommendation based on Inventory (If none of the Nodes are attached with a cluster)
    e. Azure Kubernetes Node IDLE (Waste Elimination) Recommendation based on Performance Metric(CPU Utilization & Memory Utilization)
    f. Azure Kubernetes Node Right Sizing Recommendation based on Performance Metric(CPU Utilization & Memory Utilization)
    g. Azure Kubernetes Node Scheduling Recommendation based on Performance Metric(CPU Utilization & Memory Utilization)
    h. Azure Kubernetes PODS IDLE (Waste Elimination) Recommendation based on Performance Metric(CPU Utilization & Memory Utilization)

5. **AWS EKS Kubernetes Services Integration & Recommendations - Finops**
    a. EKS Kubernetes Cluster Inventory
    b. EKS Kubernetes Node Inventory
    c. EKS Kubernetes Pods Inventory
    d. AWS Kubernetes Cluster IDLE (Waste Elimination) Recommendation based on Inventory (If none of the Nodes are attached with a cluster)
    e. AWS Kubernetes Node IDLE (Waste Elimination) Recommendation based on Performance Metric(CPU Utilization & Memory Utilization)
    f. AWS Kubernetes Node Right Sizing Recommendation based on Performance Metric(CPU Utilization & Memory Utilization)
    g. AWS Kubernetes Node Scheduling Recommendation based on Performance Metric(CPU Utilization & Memory Utilization)
    h. AWS Kubernetes PODS IDLE (Waste Elimination) Recommendation based on Performance Metric(CPU Utilization & Memory Utilization)

6. **GCP GKE Kubernetes Services Integration & Recommendations - Finops**

a. GKE Kubernetes Cluster Inventory
b. GKE Kubernetes Node Inventory
c. GKE Kubernetes Pods Inventory
d. GKE Kubernetes Cluster IDLE (Waste Elimination) Recommendation based on Inventory (If none of the Nodes are attached with a cluster)
e. GKE Kubernetes Node IDLE (Waste Elimination) Recommendation based on Performance Metric(CPU Utilization)
f. GKE Kubernetes Node Right Sizing Recommendation based on Performance Metric(CPU Utilization)
g. GKE Kubernetes Node Scheduling Recommendation based on Performance Metric(CPU Utilization)
h. GKE Kubernetes PODS IDLE (Waste Elimination) Recommendation based on Performance Metric(CPU Utilization)

7. **Azure AKS Kubernetes Services Integration System Performance (Inventory and Metrics)**
   a. AKS Kubernetes Cluster Inventory
   b. AKS Kubernetes Node Inventory
   c. AKS Kubernetes Pods Inventory
   d. Azure Kubernetes Cluster Performance Metric (CPU Utilization & Memory Utilization)
   e. Azure Kubernetes Node Performance Metric (CPU Utilization & Memory Utilization)
   f. Azure Kubernetes Pods Performance Metric (CPU Utilization & Memory Utilization)

8. **AWS EKS Kubernetes Services Integration System Performance (Inventory and Metrics)**
   a. EKS Kubernetes Cluster Inventory
   b. EKS Kubernetes Node Inventory
   c. EKS Kubernetes Pods Inventory
   d. AWS Kubernetes Node Performance Metric (CPU Utilization & Memory Utilization)
   e. AWS Kubernetes Pods Performance Metric (CPU Utilization & Memory Utilization)

9. **GCP GKE Kubernetes Services Integration System Performance (Inventory and Metrics)**
   a. GKE Kubernetes Cluster Inventory
   b. GKE Kubernetes Node Inventory
   c. GKE Kubernetes Pods Inventory
   d. GKE Kubernetes Node Performance Metric (CPU Utilization & Memory Utilization)
   e. GKE Kubernetes Pods Performance Metric (CPU Utilization & Memory Utilization)

10. **AZURE SQL instance right sizing recommendation: -** Using the recommendation, we can recommend the Azure SQL instance which CPU/memory usage lie between certain thresholds. Those resources can be marked as Rightsizing. By eliminating these recommended resources, it helps to save money.

11. **AWS config changes history integrations: - We** implemented the EC2 and EBS resource type config change history integrations on time series basis. We kept these two services data in different destination tables. In these tables we kept the historical data for whatever resources configuration changed.

12. **Dex Application mapping console: -** Implement a Create mapping button that opens a page for admin to create application mappings for a specific engagement. Exclude applications already mapped. Include fields for engagement ID, application name, stable version, category, user interface, reporting, license type, cost, and active status. Populate category and subcategory from the database. Allow the selection of stable versions and use checkboxes for user interface and reporting. Enable the cost field for licensed applications. Provide functionality for adding, updating, and deleting mappings.

13. **New Template in Report Builder:** 11319 TASK (New Reporting Template in a Form of Topology View) - The Topology Chart Visualization is to showcase the relational View of Network types with their Latency passing from one Device to another Device. Using Drillthrough functionality user can view all hierarchical views.

14. **New Template in Report Builder:** 11580 TASK (Activity Feed view Timeline view to showcase the resource change history) **- T**he TimeLine Chart is to showcase the resource change history details of a particular CI.

15. **Dashboard Linkage (Quick Navigator):** Rather than loading the Dashboard on login, Report Linkage will be shown and by clicking on this link reports will be loaded. Users can set at their profile whether Dashboard Linkage will be landing page or Native one.

16. **Report Cascading:** 10771 Task (Cascading the Report from parent to child): When you create report and clone that report and if you make any changes to parent report that will be cascade to the child report. This should work for different profile also.

17. **Tiled Group by Comparison Score**: (11573 Task) This likely refers to a method of organizing and displaying data where individual records are grouped based on their comparison scores. These groups are then displayed in a tiled format, which could mean that each group is represented as a separate tile or card in the user interface.
    a. **Template Based on Previous Year/Period**: This suggests that the format or structure of the data display is based on data from a previous year or period. This could mean that the same groupings or categories used in the previous year or period are being used again. Alternatively, it could mean that the actual data from the previous year or period is being used as a baseline or comparison point for the current data.

b. **Specify Date Range to Get Data**: This indicates that the user can specify a certain date range, and the system will retrieve the data that falls within that range. This allows for flexible data retrieval based on time.
c. **Showing to Cards Level**: This likely means that the data is displayed at a "cards" level, which could mean that each record or group of records is represented as a separate card in the user interface. This is a common way of displaying grouped or categorized data, as it allows for a clear and concise visual representation.

18. **Virtual Tag Console**: (Task : 11588) In this console's initial page, you'll find a comprehensive overview of cloud providers, their respective services, and subscriptions, resource count, Global Tag Noncompliance percentage, Service Tag Noncompliance percentage nested within those services. In the second page, you will be able to map the tag values with resources for both global and service-level tags. Additionally, you can observe the percentage of Tag noncompliance.
19. **Add Tag Values Console:** (Task: 11599) In this console, you can assign values to the global and service tags for cloud provider that are already configured in the tag policy configuration page.

20. **Azure Saving Plans (PBI#10398-Task's#11892)**
    a. Azure Saving Plans DME service job creation and configuration.

21. **AWS Saving Plans (PBI#10398-Task's#11893)**
    a. AWS Saving Plans DME service job creation and configuration.

22.

22. **Dynamic dropdowns in Metric Collection (PBI#11372-Task's#11373)**
    a. Added dynamic dropdowns and Textboxes in Metric collection page by replacing Custom Query text area box. Added all required validation to the textboxes and made Query executed successfully with the selected dropdowns and entered text values with registered stored procedure input parameters as input values.

2. Enhancements: Performance Enhancements

1) Modified the stored procedure for the scorecard tree view (SP Names: GetMetricDataByMetricID_TreeView_VR01 and GetMetricViewHierarchicalData)

2) **Metric Collection Service Enhancement:** Enhanced the MetricService to process the data through SP rather than In-memory. Also enhanced the High Memory utilization by service.

3. Security Enhancement

1) Implemented RBAC (Role-Based Access Control) functionality in the Universe object master.
2) Implemented RBAC functionality while fetching data from the metric tables in the Universe configuration.
3) Added a permissionId filter to the stored procedure to support the RBAC (Role-Based Access Control) functionality.

II. Bug Fixes

Bug ID.	Description	Version
11223	Remove "No data" value from LM jobs API Response.	6.3.0.0
11085	Unable to onboard BLOB customer 6.2.	6.3.0.0
11549	Dex Application mapping console	6.3.0.0
11534	AWS S3 Duplicate Tag Data Parsing	6.0.5,6.3.0
11652	Azure- LastUpdateDateTime Update to January month	6.0.7,6.3..0
10894	AWS- Performance jobs deadlock issue	6.1.3,6.3.0
10771	Report Cascading	6.3.0.0

A Glimpse of Upcoming Release

- **New Features and Enhancements**
  - ?
- **Integrations**
  - ?

About

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Support

For product-related inquiries, please reach us at – nitinn@hcl.com